



www.unitedstudiotech.com

Specifications

Type	Condenser Microphone	Self noise	<10 dB (no pad, no HPF)
Capsule	HZ Series 34mm all-brass, dual-backplate K47	Output	Cinemag USA transformer balanced, pin 2 hot
Diaphragm	Dual-diaphragm, 6 micron, 24k gold sputtered Mylar (PET film)	Body	Nickel electroplated, solid milled brass
Power Supply	+48v Phantom Power (via XLR)	High pass filter	75 Hz (-12dB down point)
Ground	Pin 1 XLR (required)	Pad	-10dB
Frequency response	20 Hz - 20 kHz	Connector	24k gold plated XLR
Polar Pattern	Cardioid	Mount	Self-contained stand swivel mount adapter
SPL	136 dB (145 dB w/ Pad) @ <.5% THD	Dimensions	Height: 210mm / 8.2"
Output Impedance	200 Ω		Width: 69mm / 2.7"
Amplifier Type	Field Effect Transistor		Diameter: 63mm / 2.4"

Equipped with the finest components by:



HEISERMAN

LET'S FET IT ON.

It's a labor of love. The UT FET47 represents several years of R&D, blood, sweat, and tears — all to capture the essence of one of the most beloved and classic solid state condenser microphones, and recreate it for the modern recordist.

The sonic qualities you've been chasing have arrived — at an accessible price, with uncompromised quality.

The UT FET47 features a custom Cinemag transformer, a custom Heiserman HZ series capsule, vintage polystyrene capacitors, and NOS (*new old stock*) FETs.

Custom parts. Vintage new-old-stock parts. Mix that together with each microphone being *built in the USA* by actual recording engineers, and you have the UT FET47.



CUSTOM CINEMAG TRANSFORMERS.

We auditioned many recreations of the original German transformer; but quickly settled on an exceptional offering from Cinemag Transformers in California. Their answer to the classic part is truly a piece of art; a large, hefty transformer made from a 'striped core' of interleaved sets of high nickel and steel laminations, and wound to the specs of the original.

While we could have used smaller or less expensive transformer; we simply refused to compromise. We believe you'll be glad we didn't. This Cinemag transformer was truly everything we could hope for.

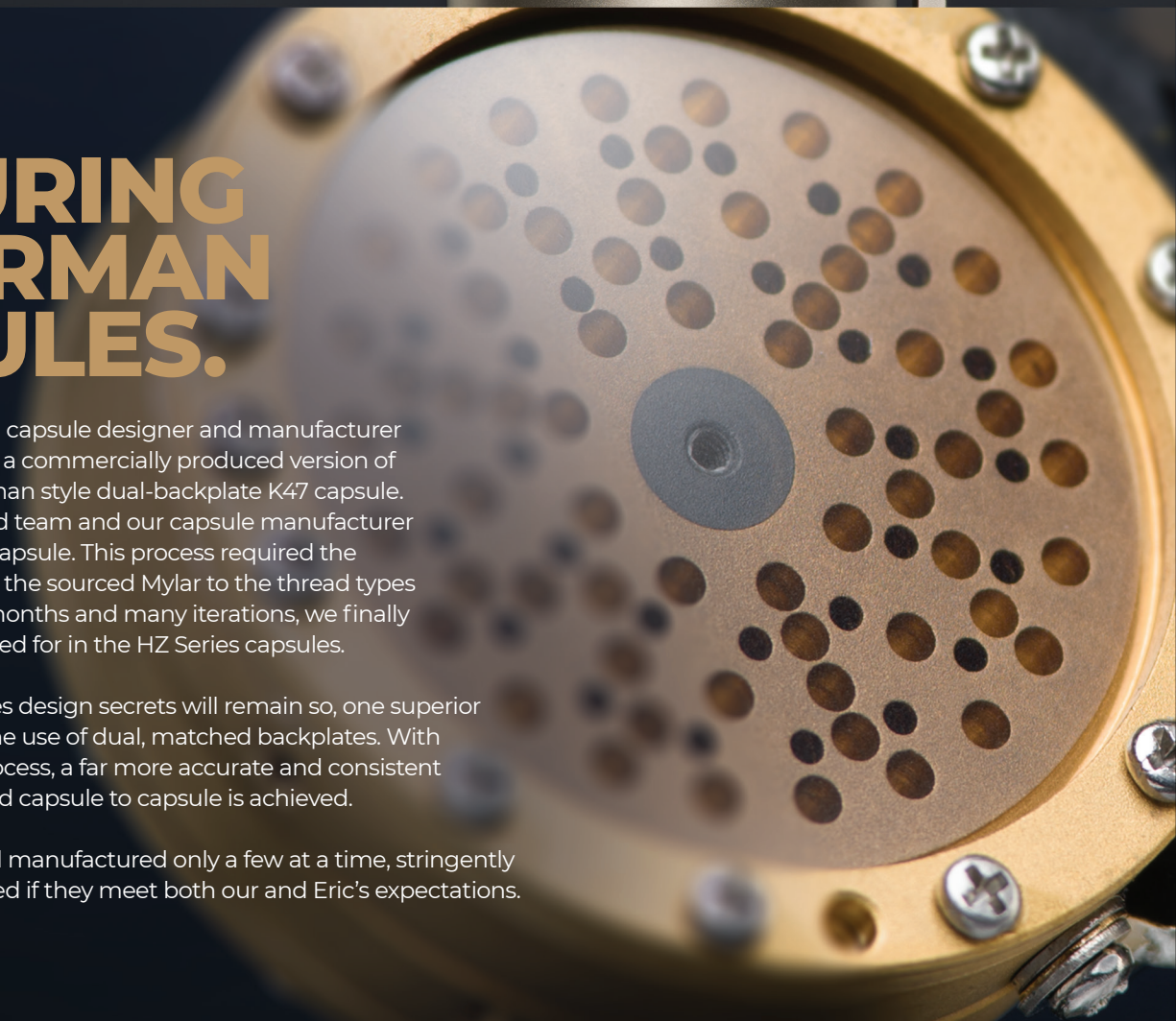


FEATURING HEISERMAN CAPSULES.

We worked with acclaimed capsule designer and manufacturer **Eric Heiserman** to develop a commercially produced version of his recently perfected German style dual-backplate K47 capsule. Eric worked with the United team and our capsule manufacturer to faithfully reproduce his capsule. This process required the analysis of everything from the sourced Mylar to the thread types of screws; but after many months and many iterations, we finally achieved what we had hoped for in the HZ Series capsules.

While many of the HZ Series design secrets will remain so, one superior attribute we can reveal is the use of dual, matched backplates. With the HZ Series matching process, a far more accurate and consistent quality from side to side and capsule to capsule is achieved.

The HZ series capsule is still manufactured only a few at a time, stringently listened to, and only are used if they meet both our and Eric's expectations.



IT'S NOT JUST ANOTHER MIC — IT'S A UNITED.

Choosing the best microphone for your needs couldn't be any more difficult these days. With so many options on the market, and so many claiming to have the vintage sound and failing to deliver, it can be overwhelming.

That was our inspiration: deliver the *real* product: affordably. The UT FET47 represents a true passion for microphones, and was built with a holistic-design approach. With over 50 years of combined industry experience, we at United have spent years on research and development on this microphone.

We feel in love with a classic all over again, and we can't wait to hear the recordings you make with it. Check it out at your favorite dealer today!

